

The diagram illustrates the GOP structure and frame types over time. It shows a sequence of frames represented by parallelograms. The frames are labeled as follows:

- I-FRAME**: Intra-coded frame, shown as a solid black parallelogram.
- P-FRAME**: Predicted frame, shown as a stippled parallelogram.
- B-FRAME**: Bi-directionally predicted frame, shown as a white parallelogram.

The sequence of frames from left to right is: B-FRAME, B-FRAME, I-FRAME, B-FRAME, P-FRAME, B-FRAME, P-FRAME, B-FRAME, P-FRAME, B-FRAME, P-FRAME, B-FRAME, P-FRAME, B-FRAME, P-FRAME, I-FRAME, B-FRAME, P-FRAME, B-FRAME, P-FRAME, B-FRAME, P-FRAME, B-FRAME, P-FRAME, I-FRAME.

Curved arrows labeled **PREDICTION** indicate the temporal relationships between frames. Vertical arrows indicate the temporal flow. A horizontal arrow at the bottom is labeled **TIME**.

FIG.2  
( PRIOR ART )

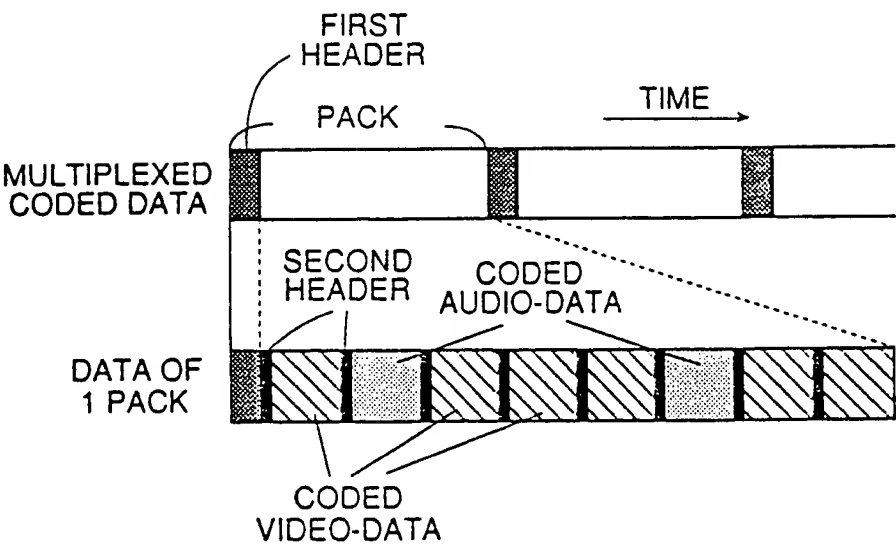


FIG.3

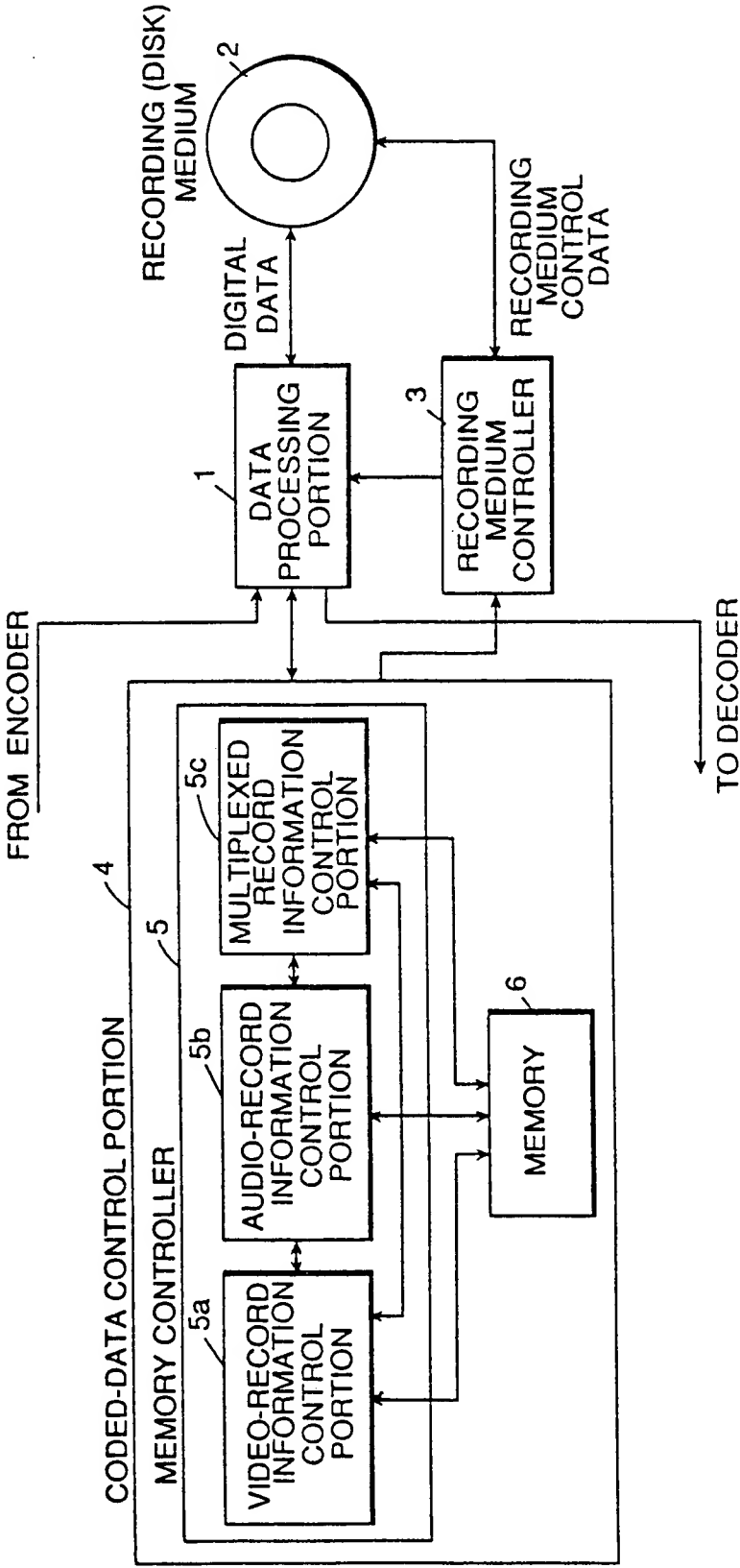


FIG.4

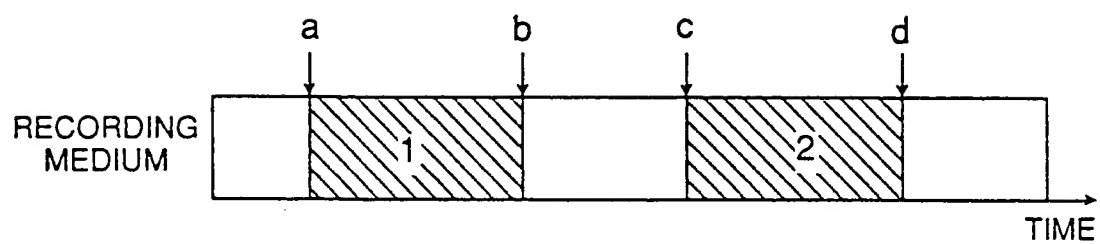


FIG.5A

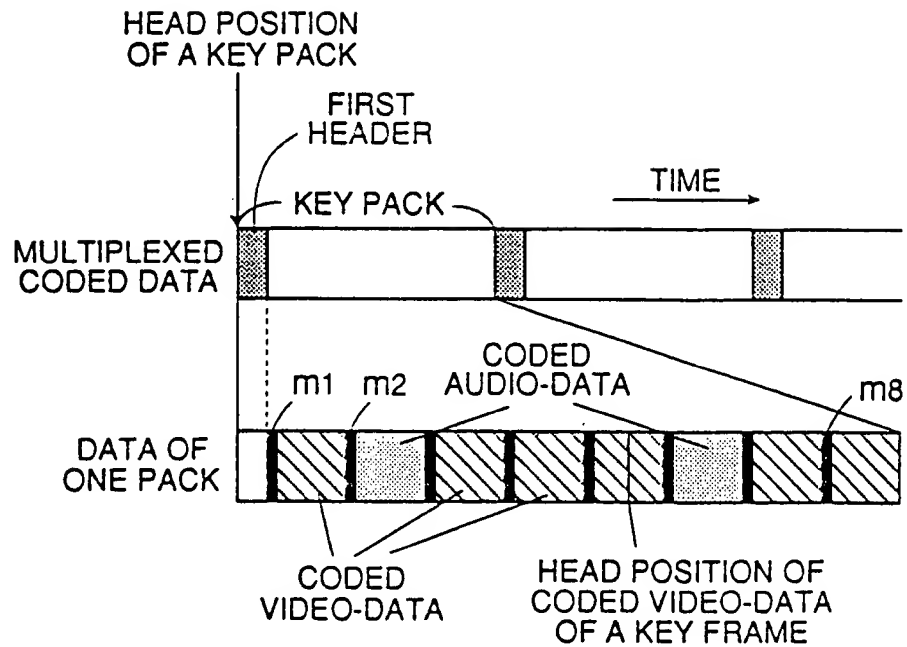


FIG.5B

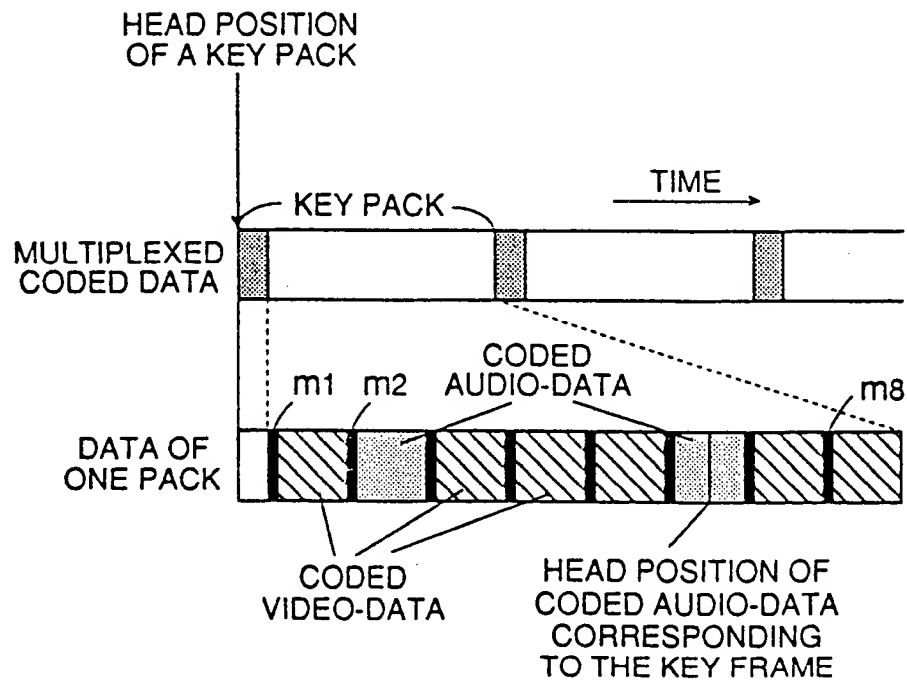


FIG.6

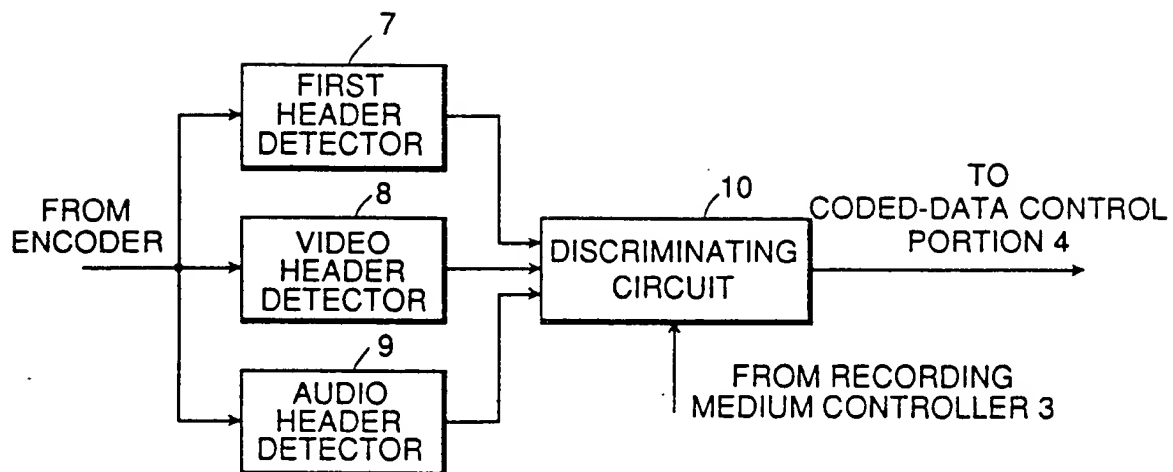


FIG.7

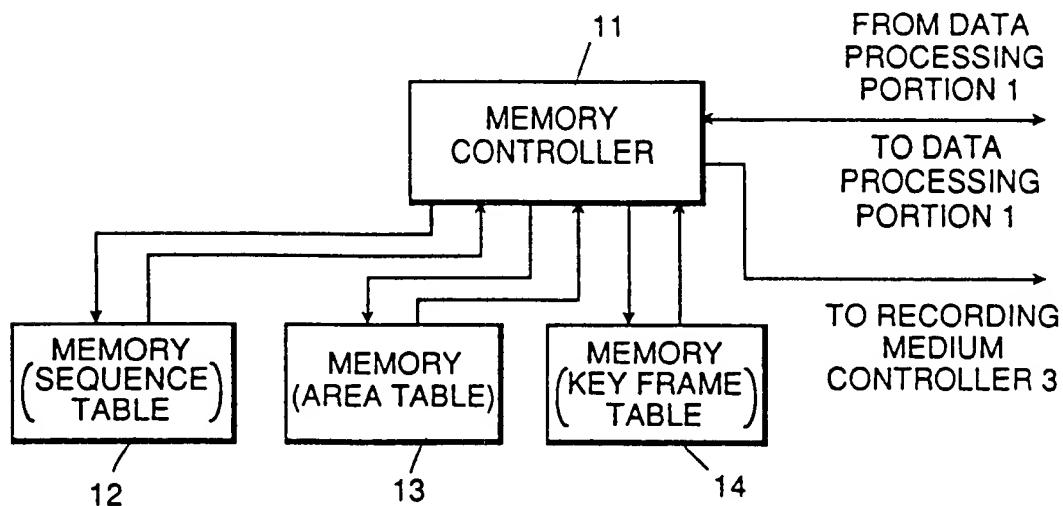


FIG.8

FIG.8A

FIG.8B

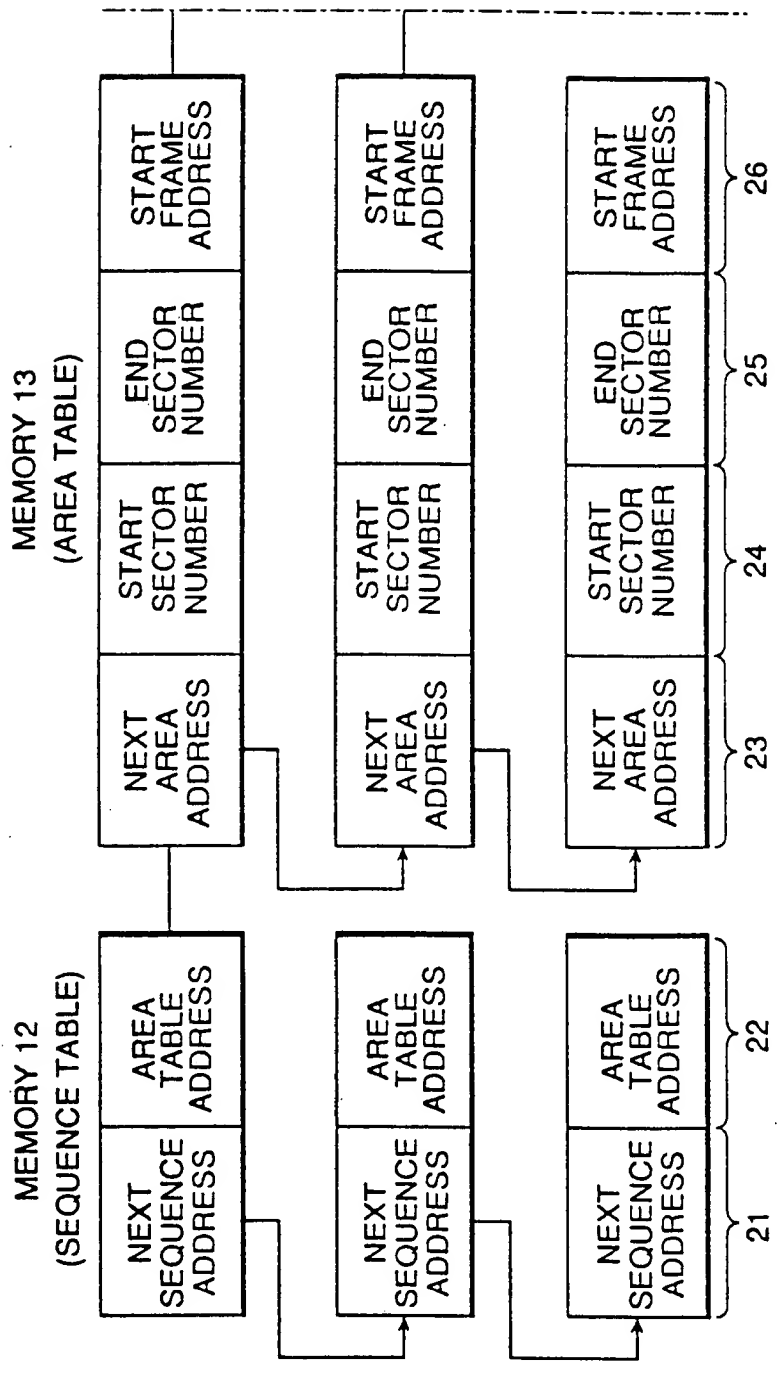


FIG.8B

MEMORY 14  
(KEY FRAME TABLE)

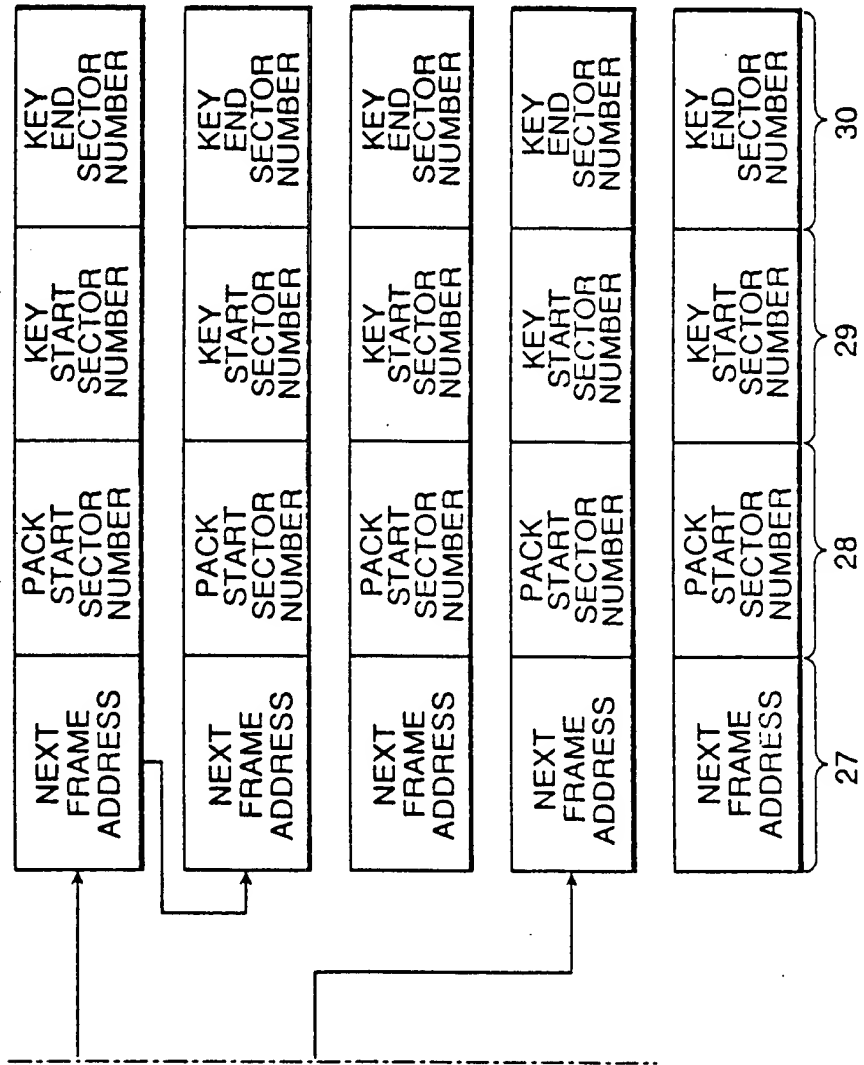


FIG.9

FIG.9A
FIG.9B

FIG.9A

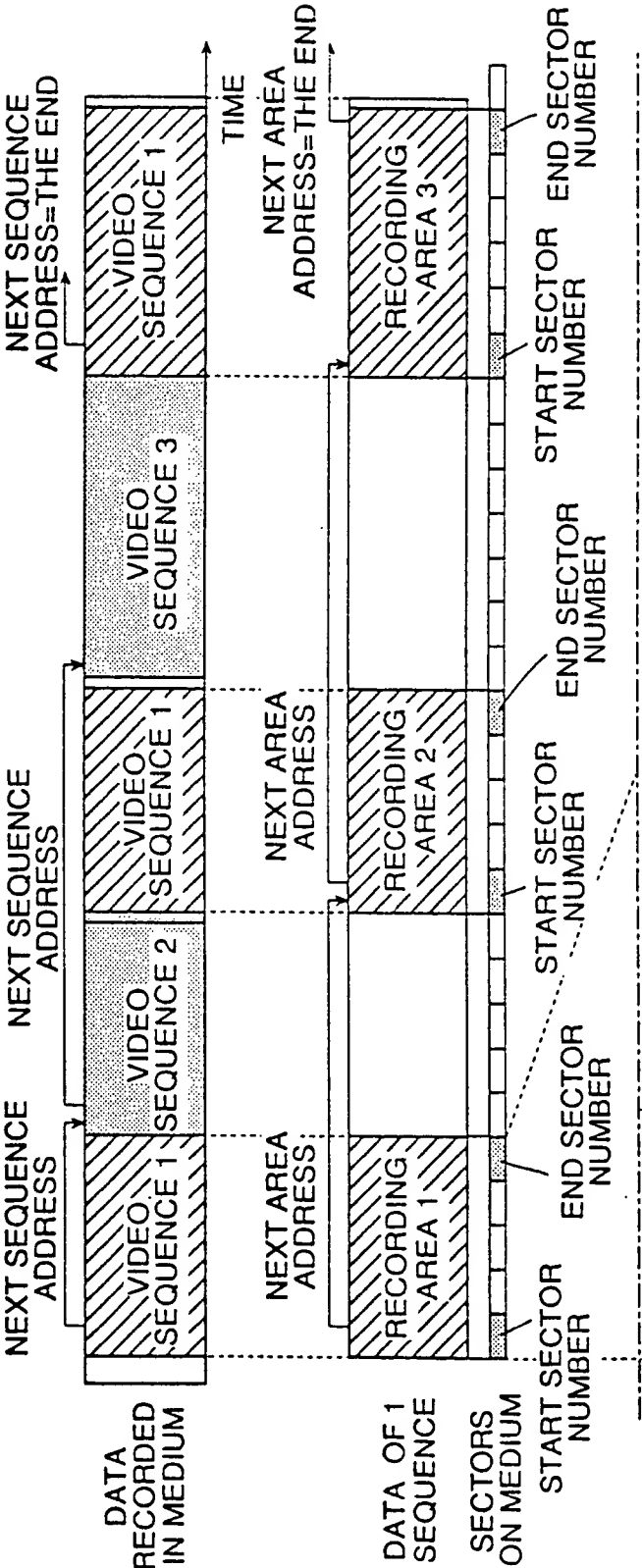


FIG.9B

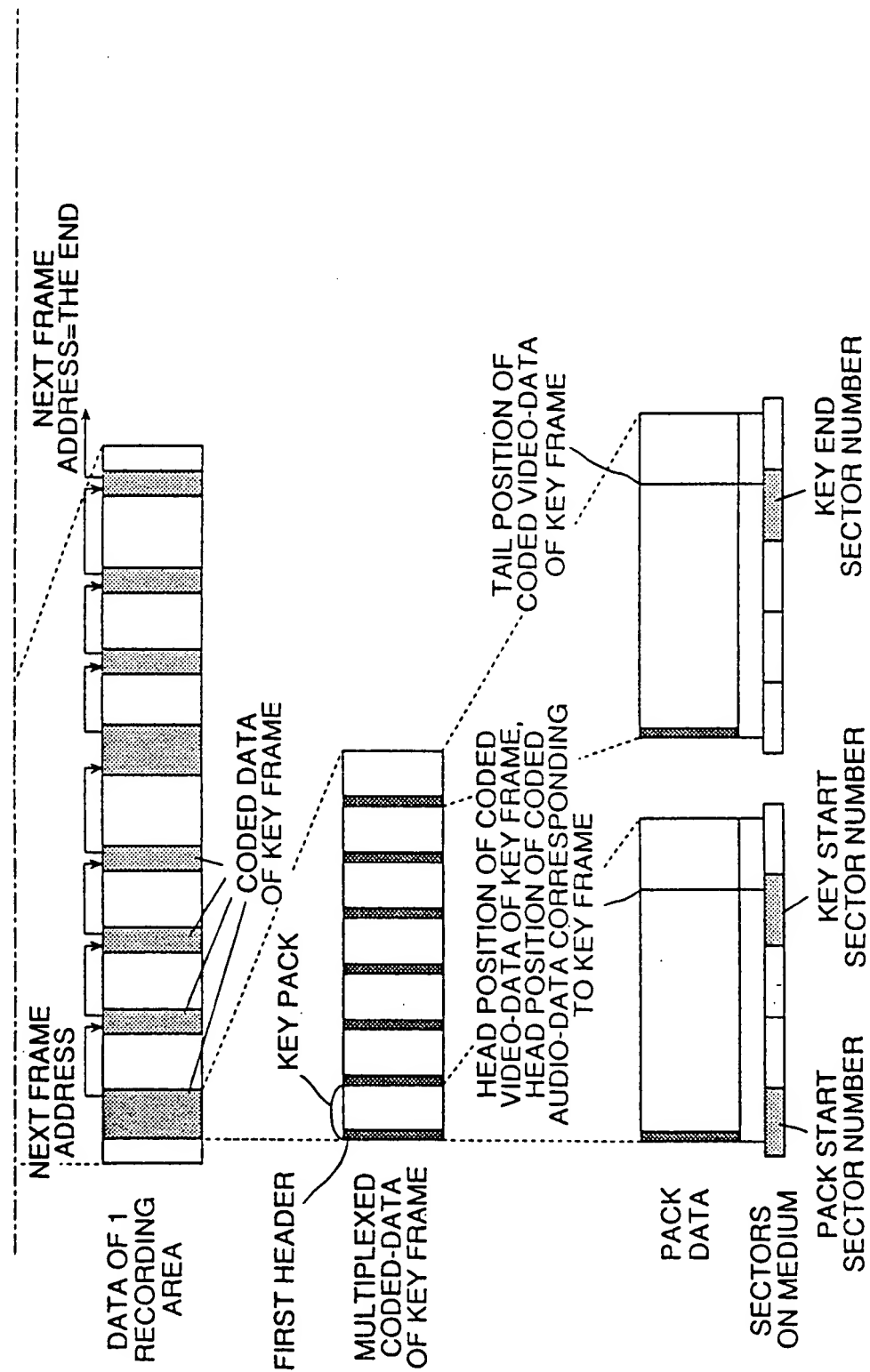


FIG.10

FIG.10A

FIG.10B

FIG.10A

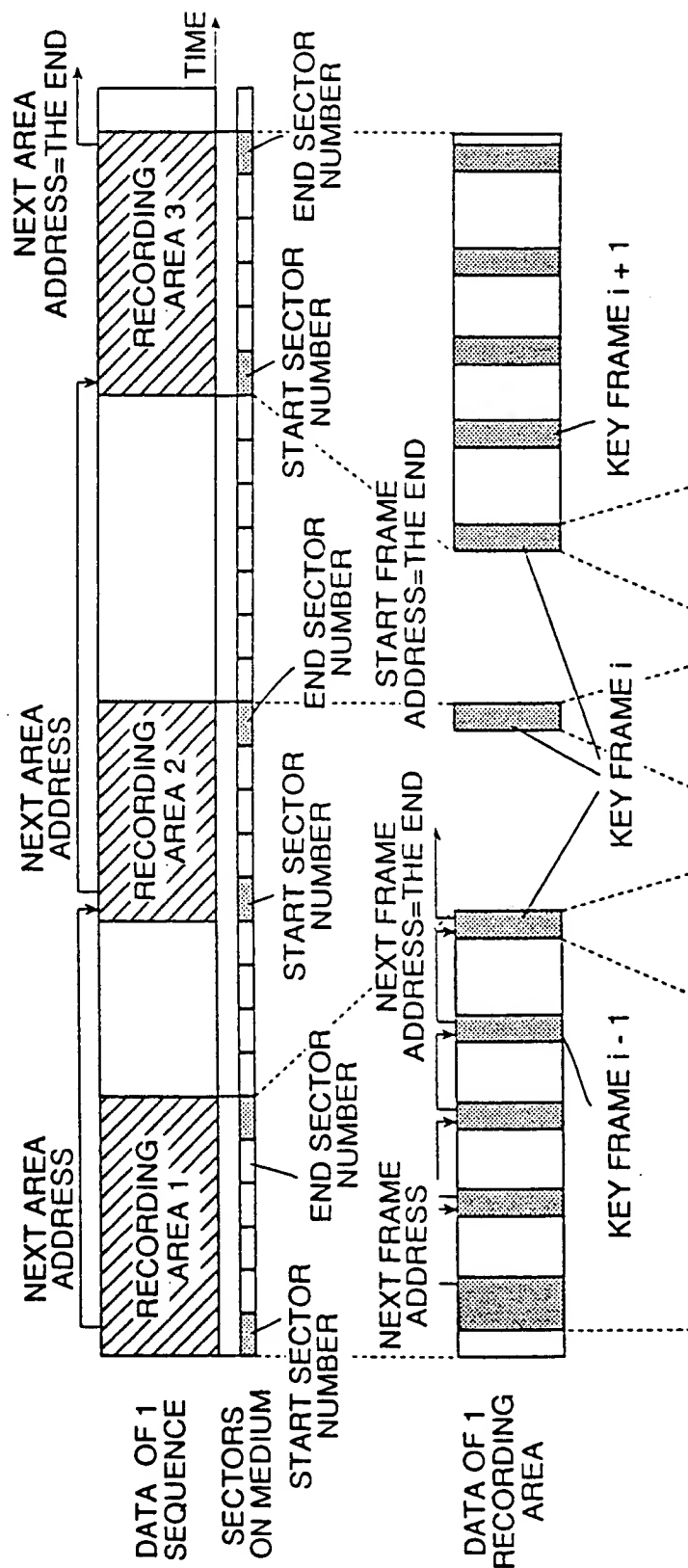


FIG.10B

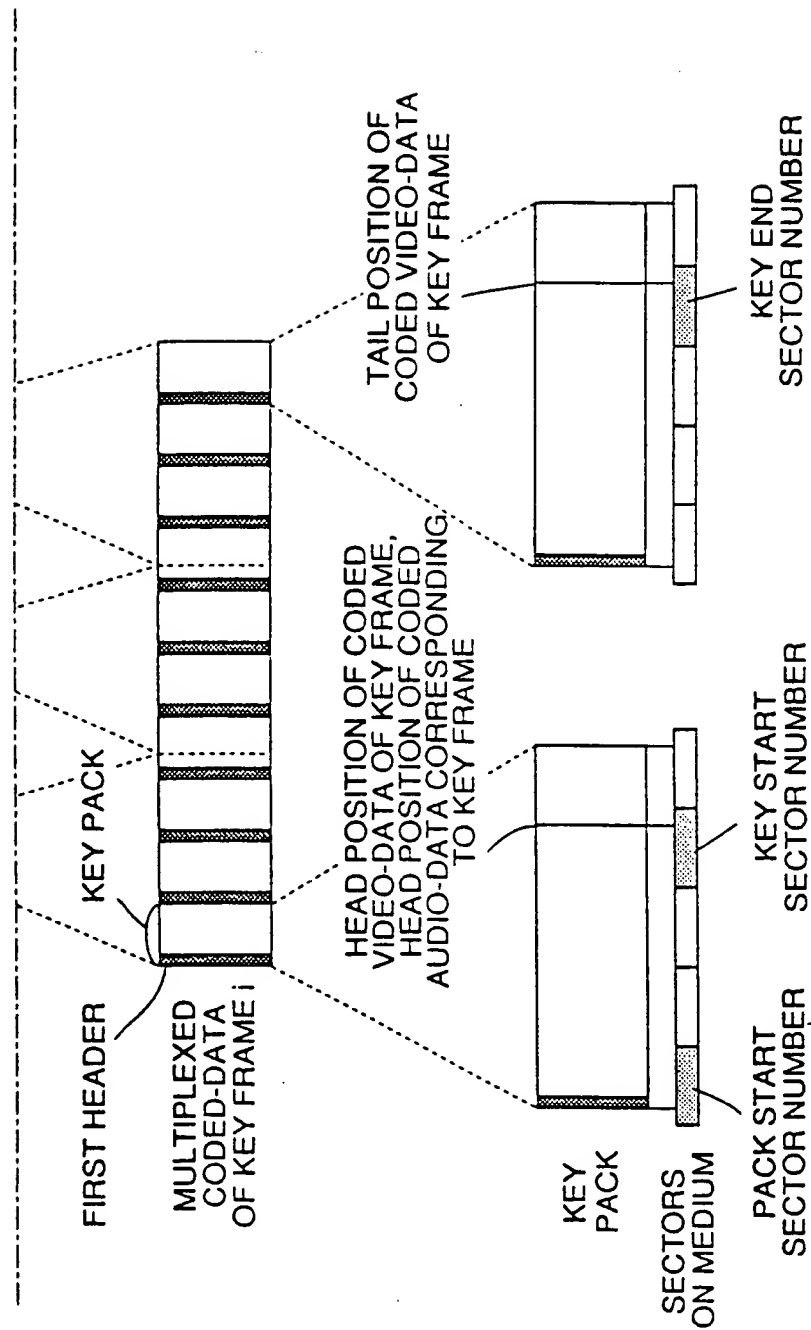


FIG.11A

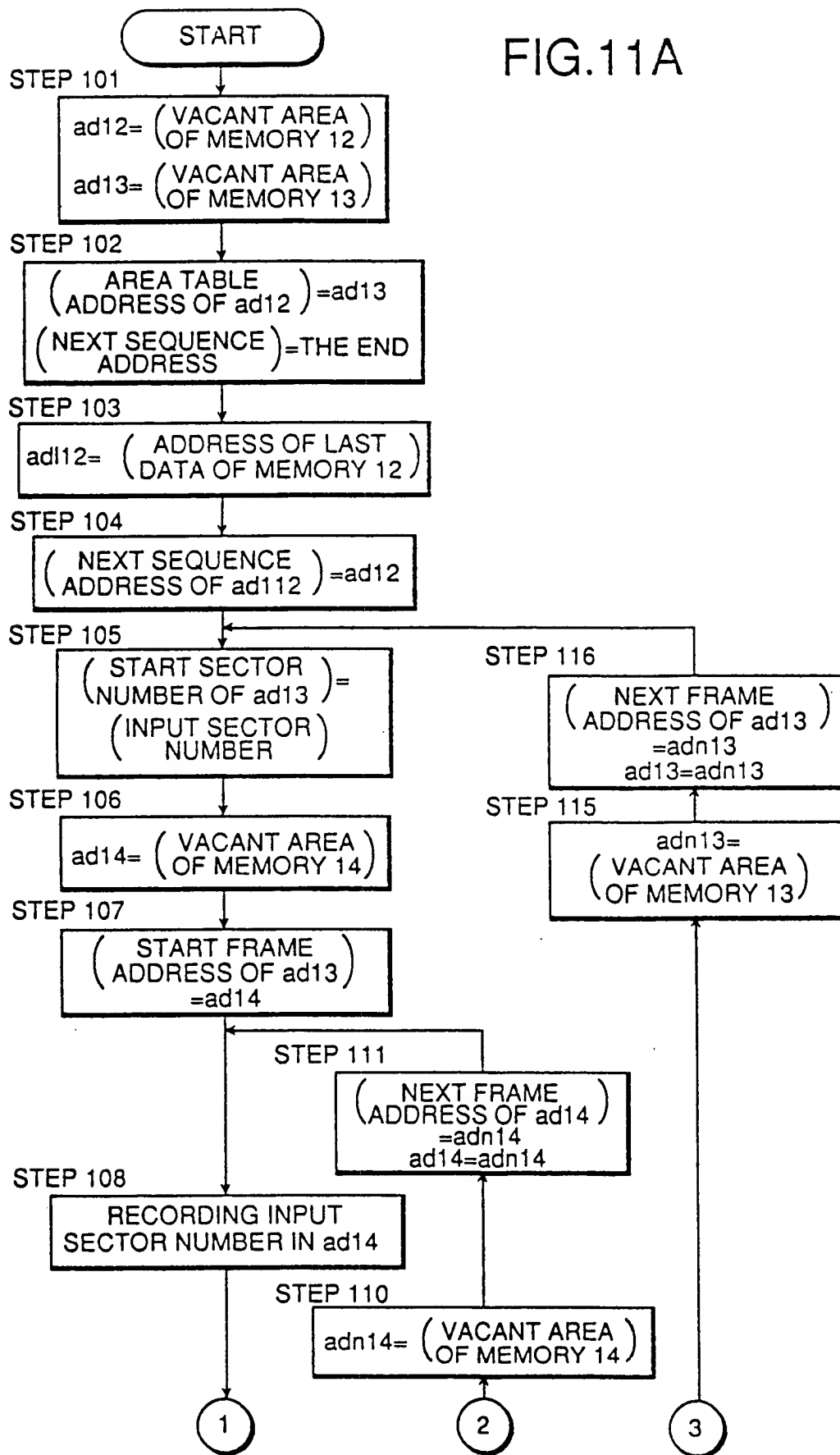


FIG.11B

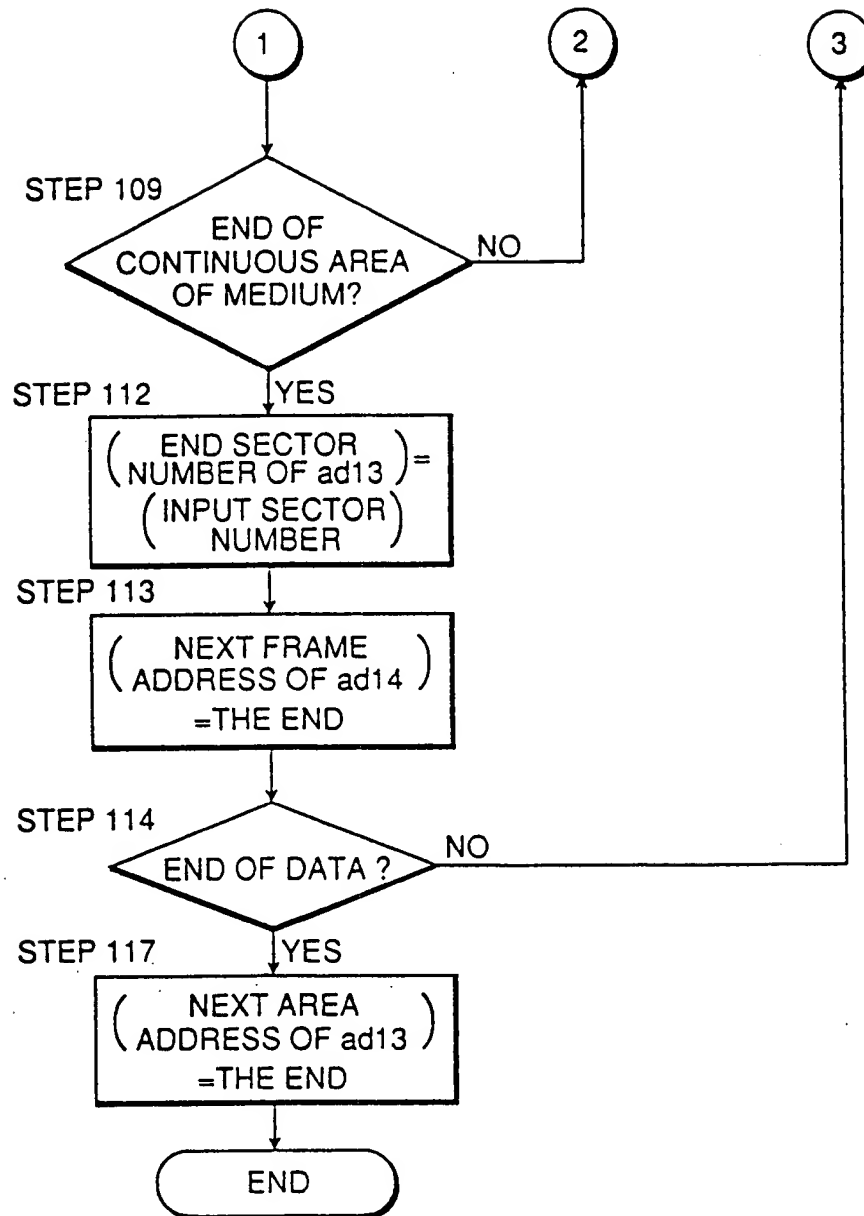


FIG.12

FIG.12A

FIG.12A  
FIG.12B

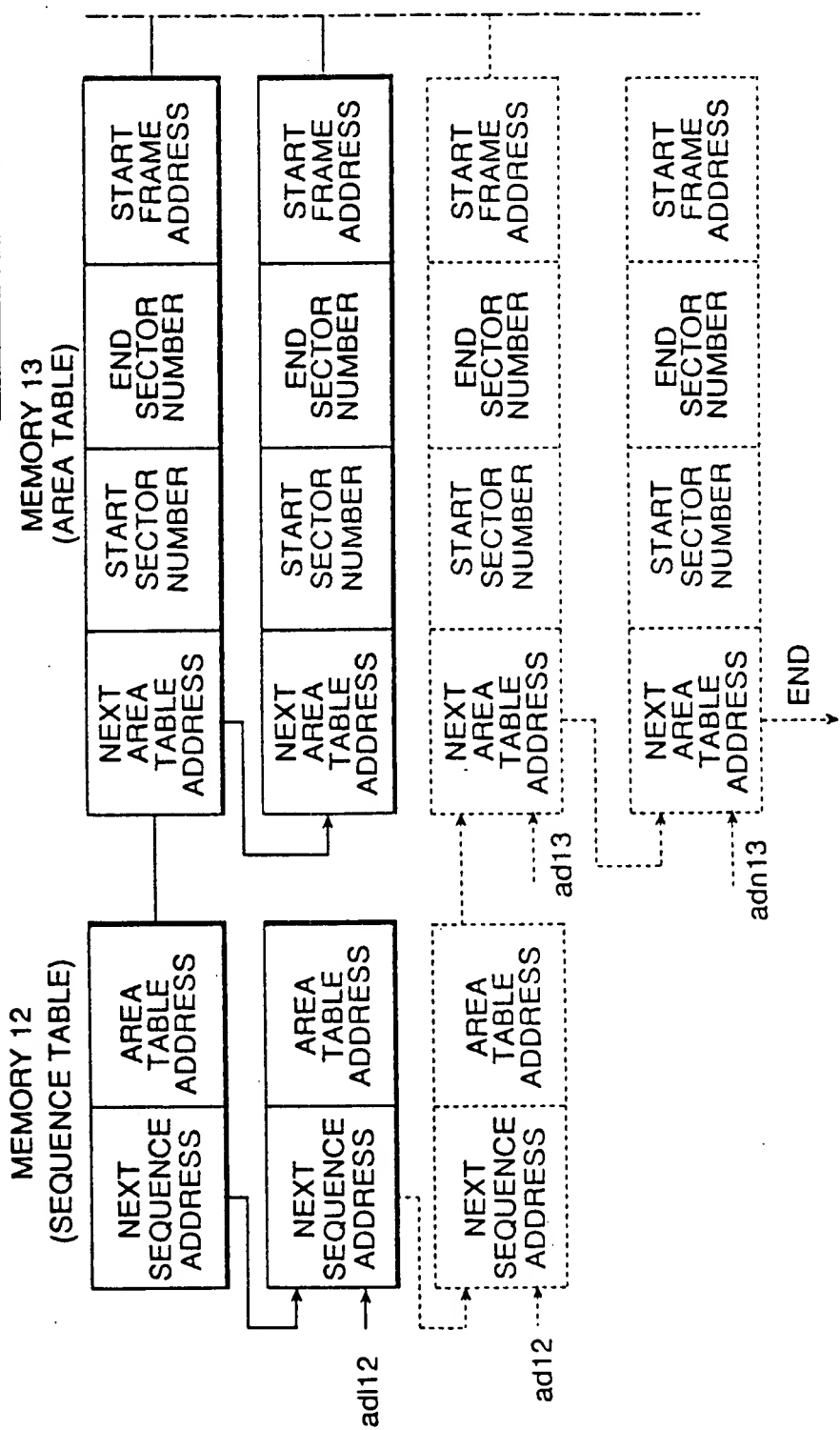


FIG.12B

MEMORY 14  
(KEY FRAME TABLE)

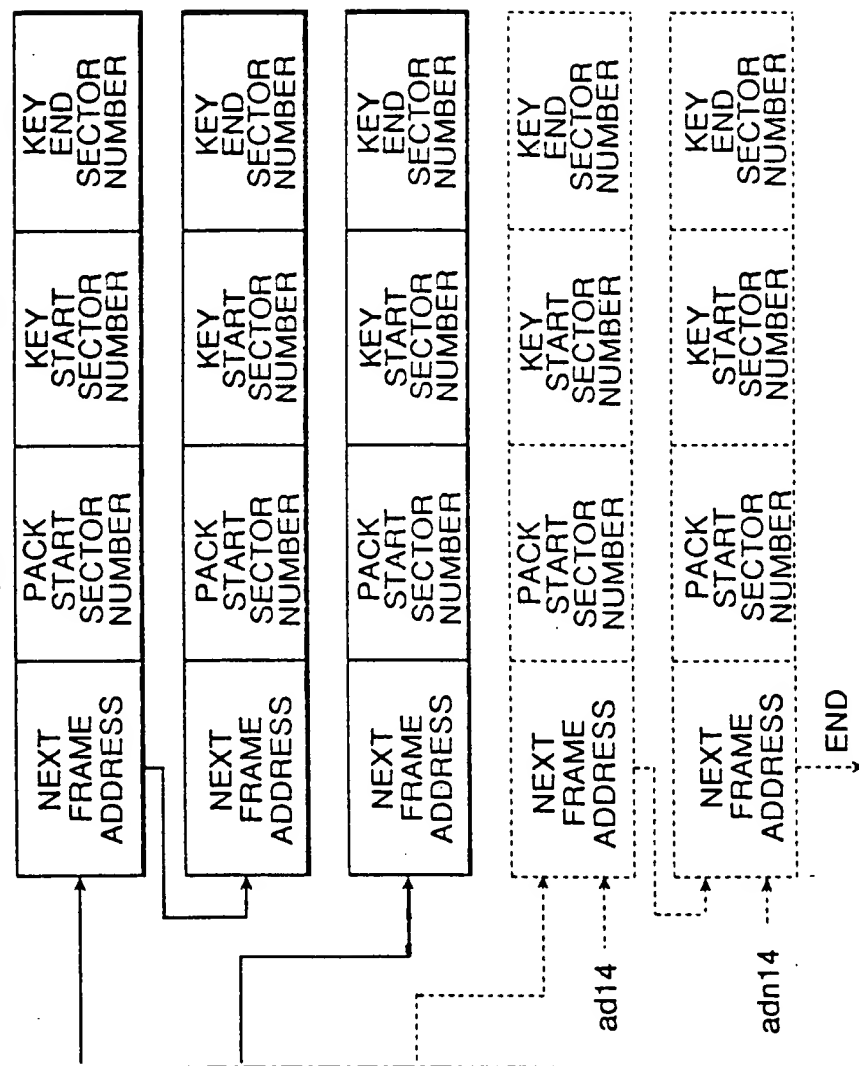


FIG.13

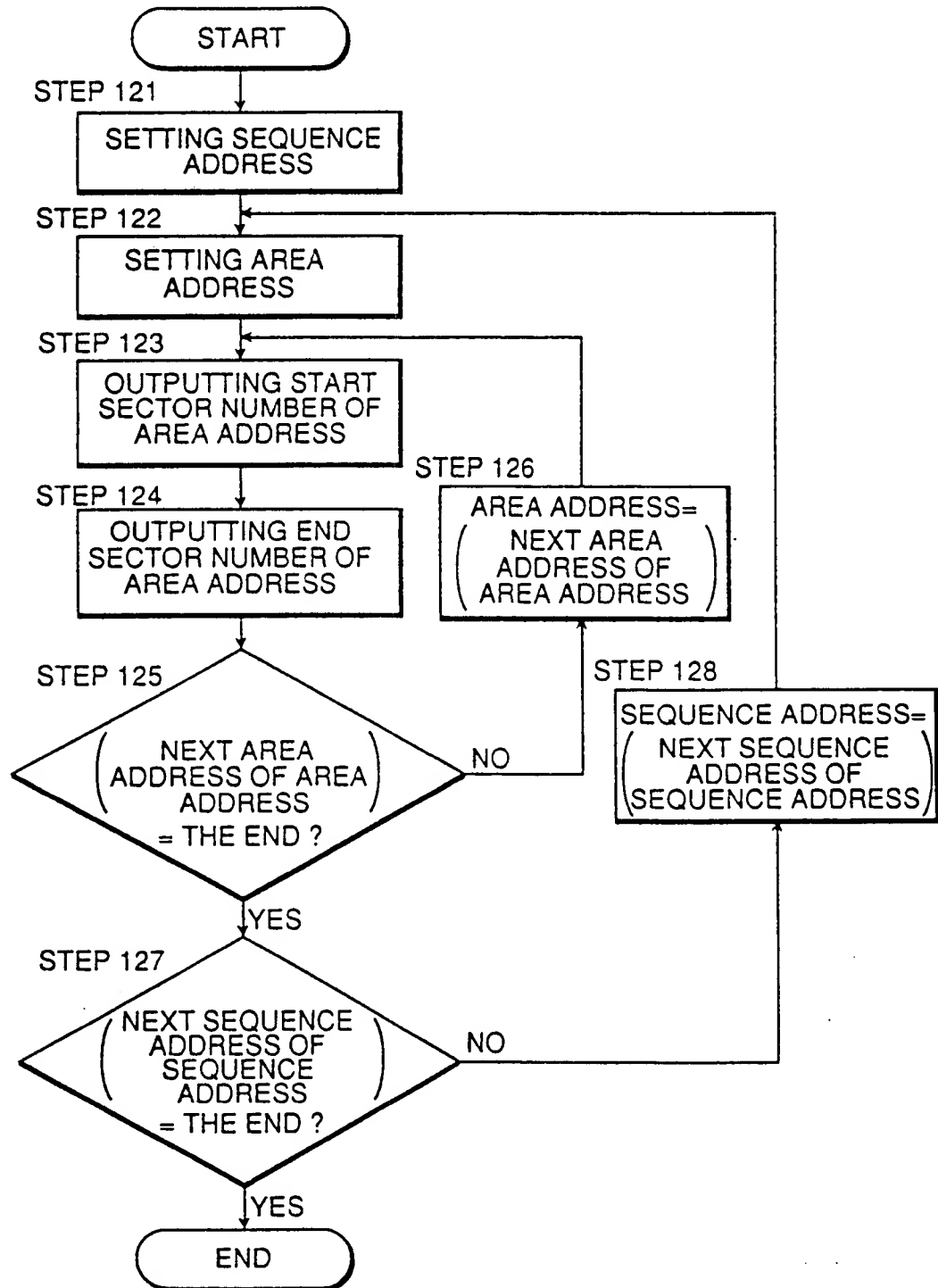


FIG.14

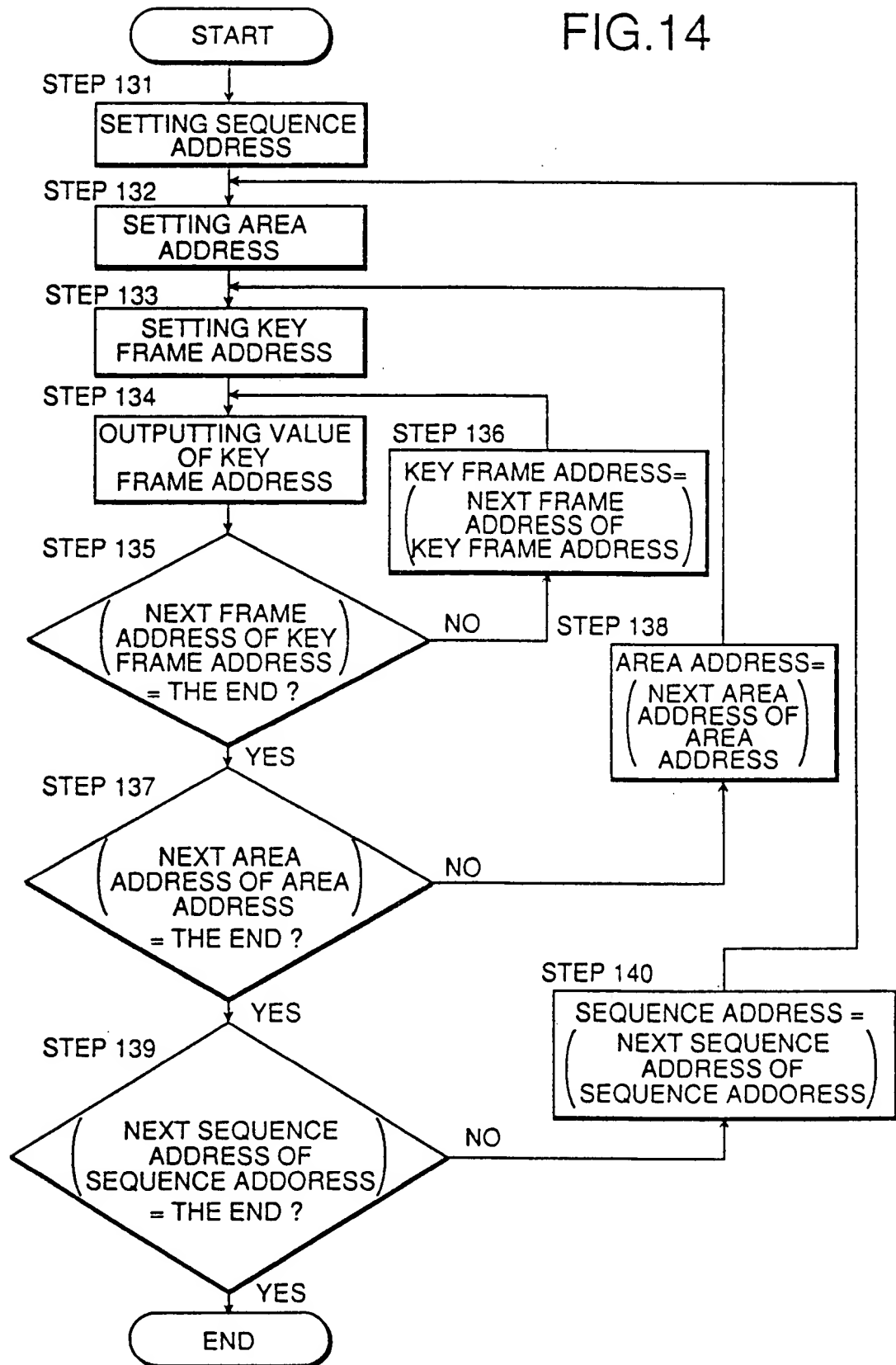


FIG.15

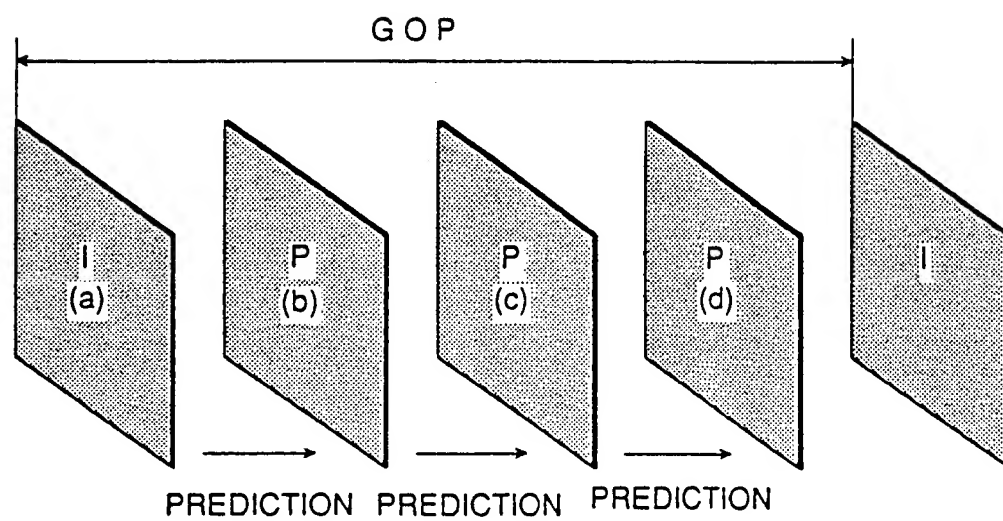


FIG.16

FIG.16A

FIG.16A FIG.16B

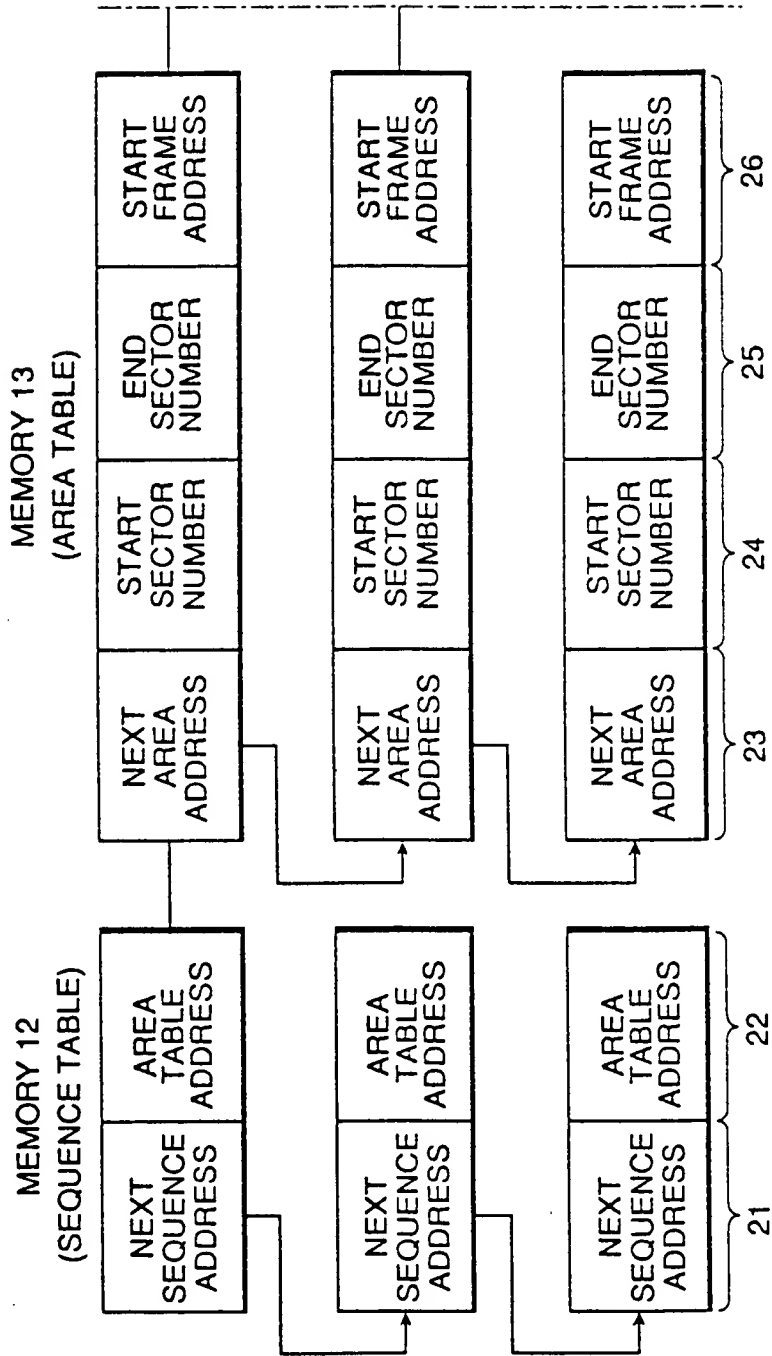


FIG. 16B

### MEMORY 14 (KEY FRAME TABLE)

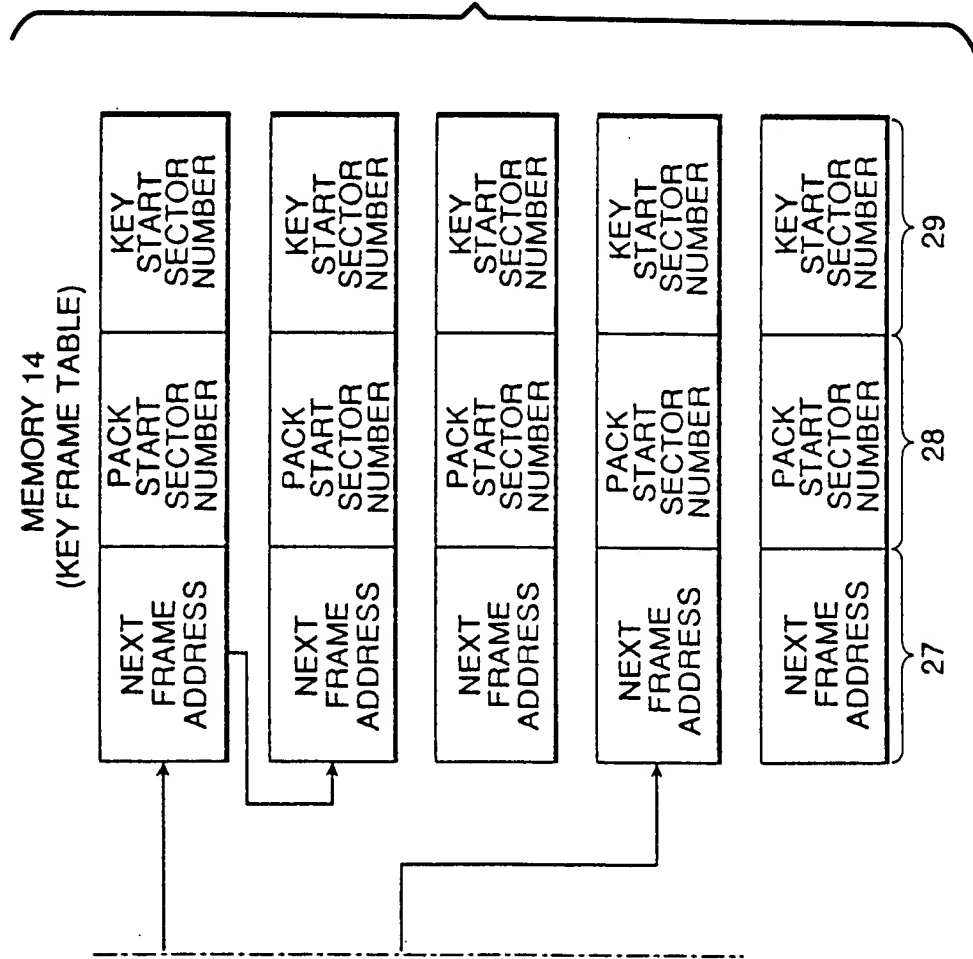
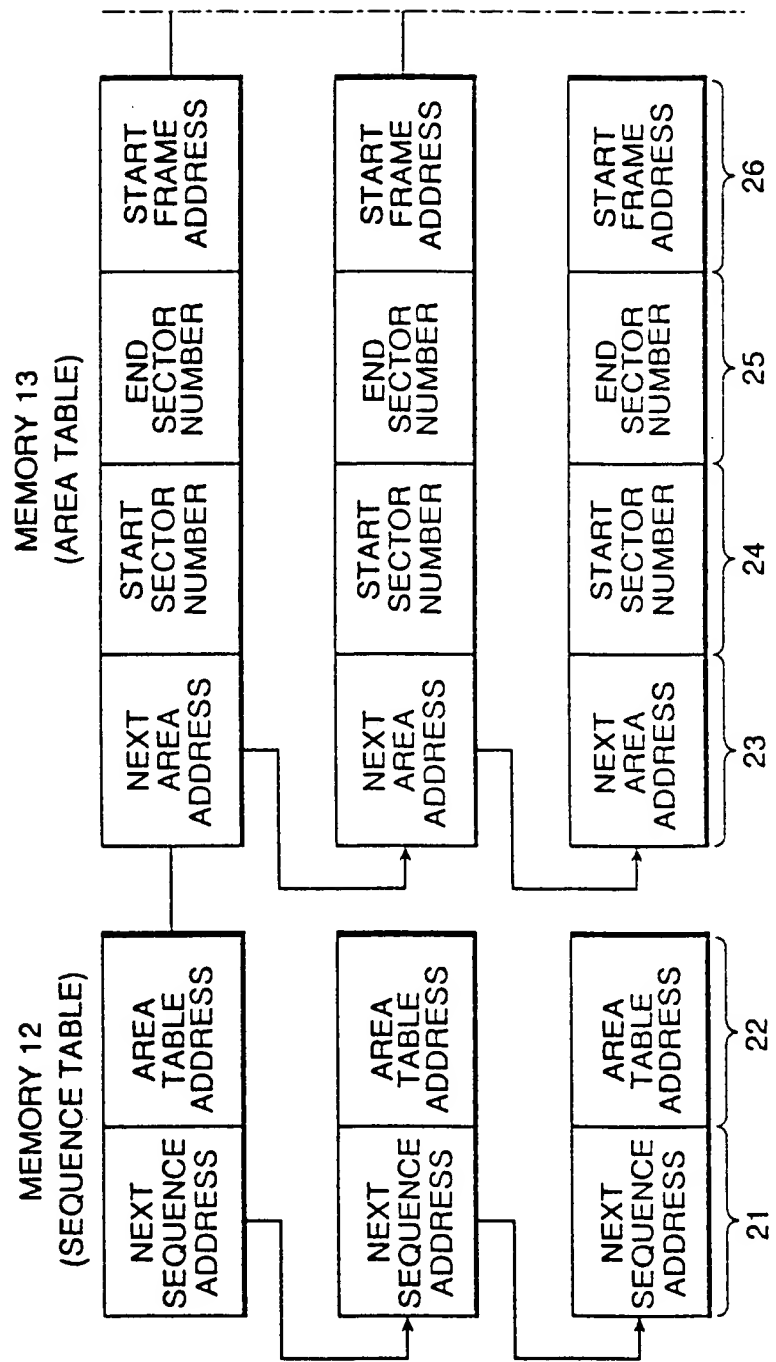


FIG.17

FIG.17A

FIG.17B



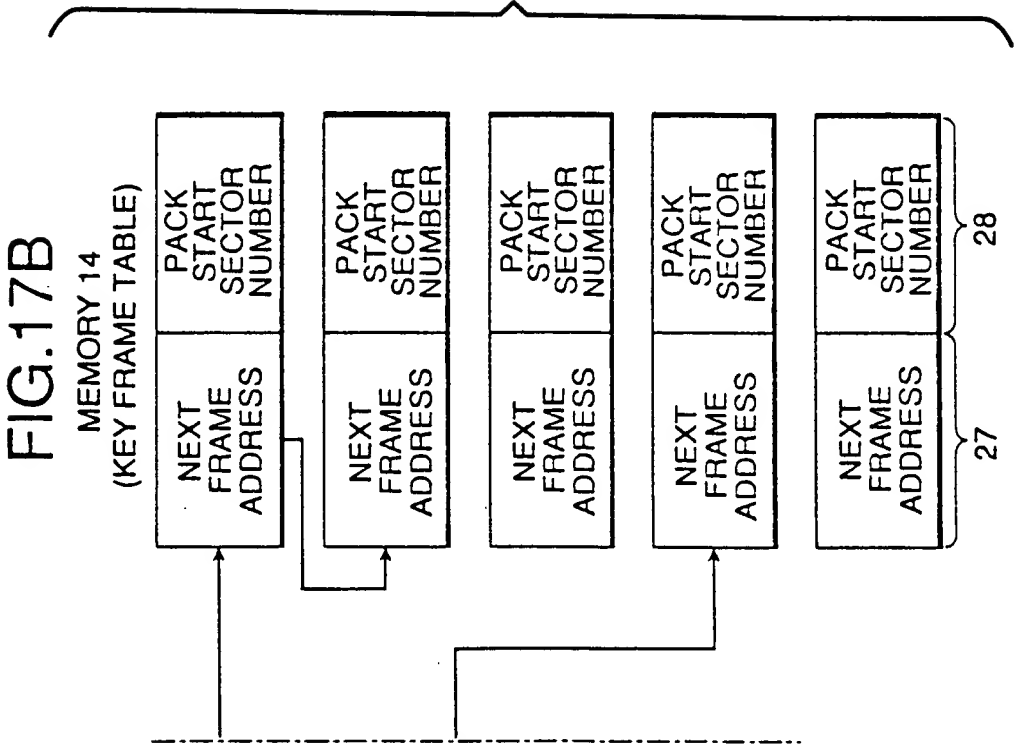


FIG.18

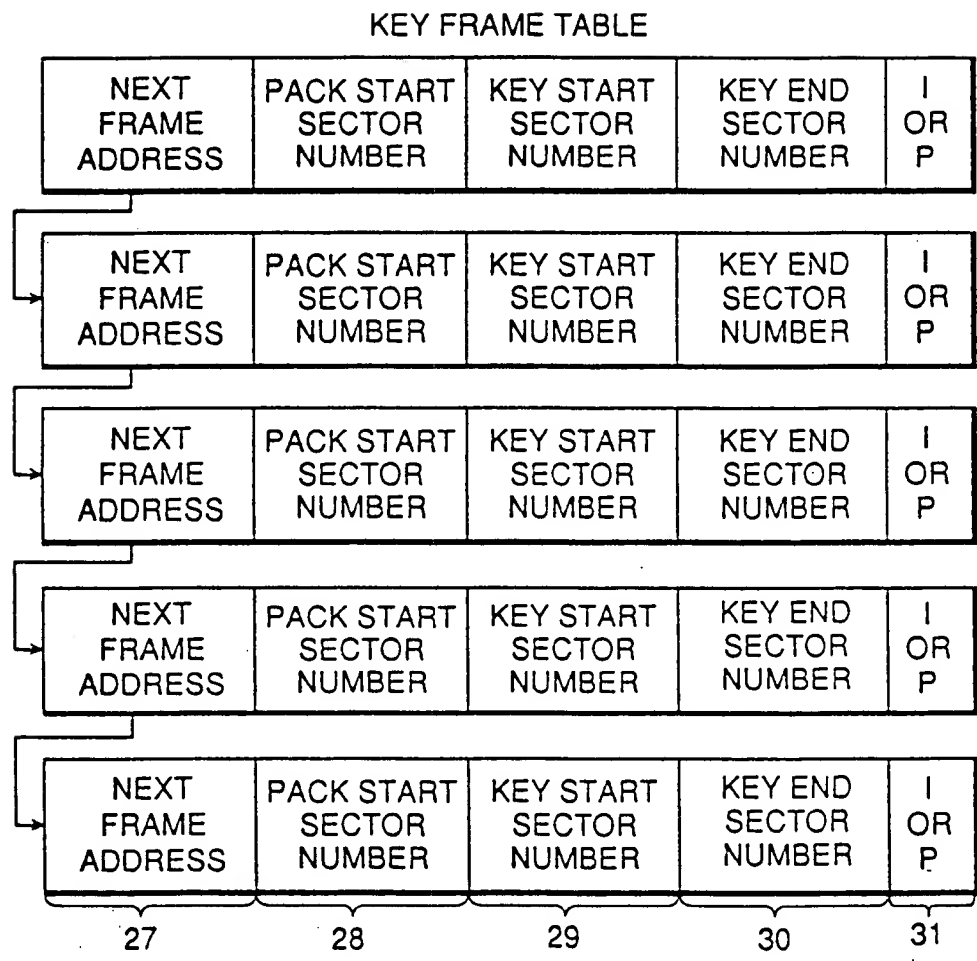


FIG.19

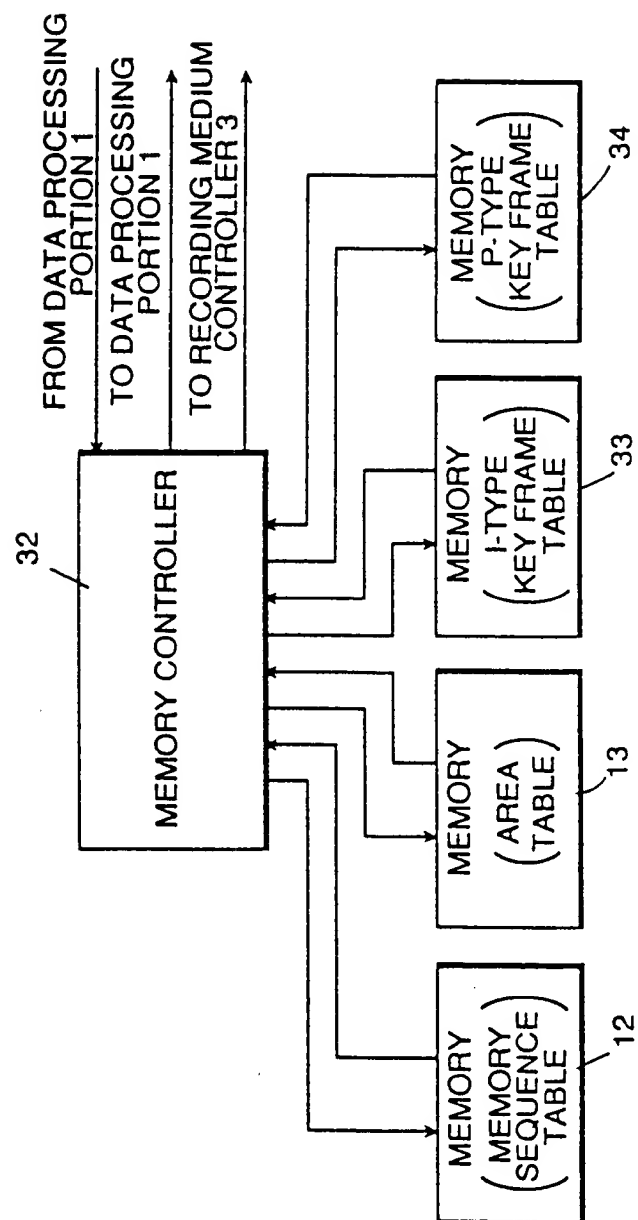


FIG.20

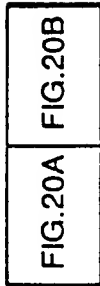


FIG.20A

I-TYPE  
KEY FRAME TABLE

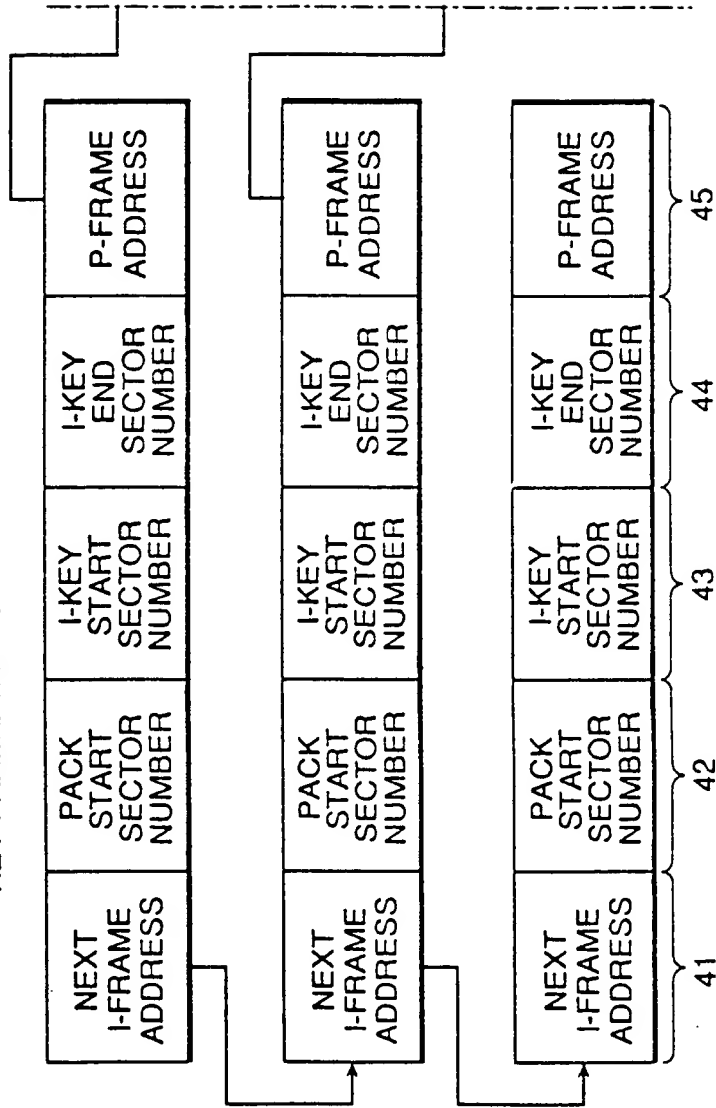


FIG.20B

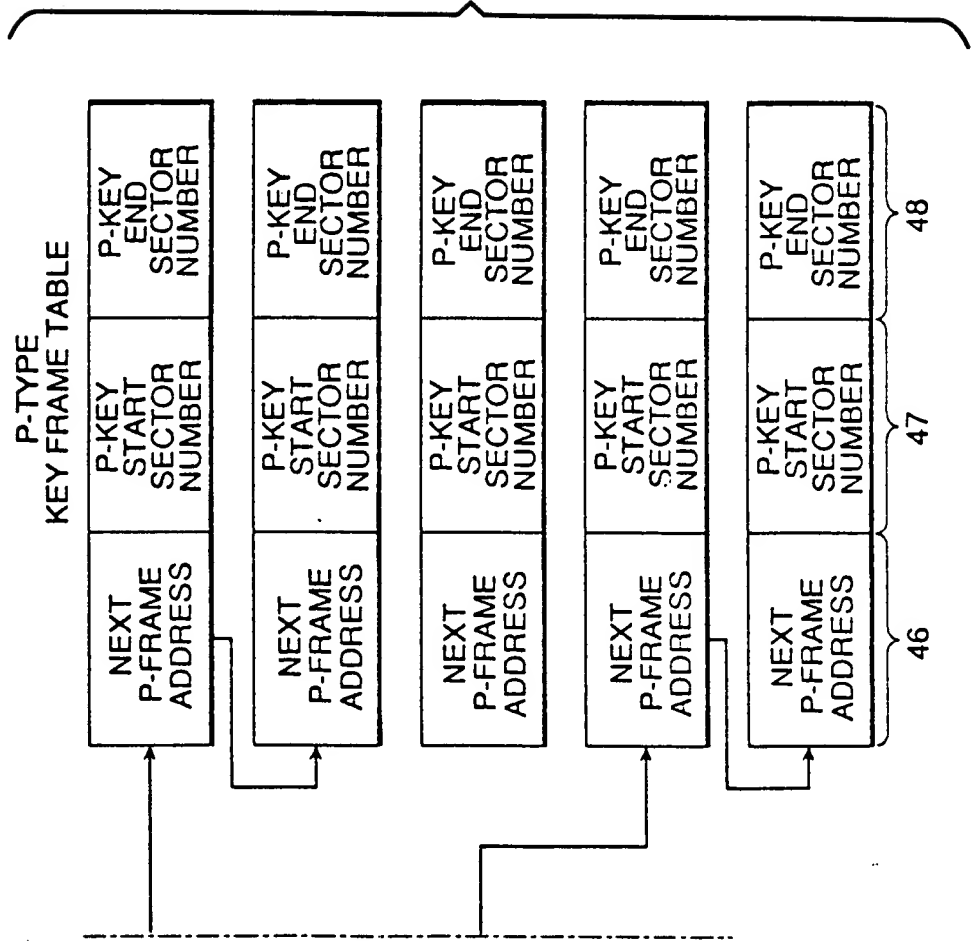


FIG.21



FIG.21A

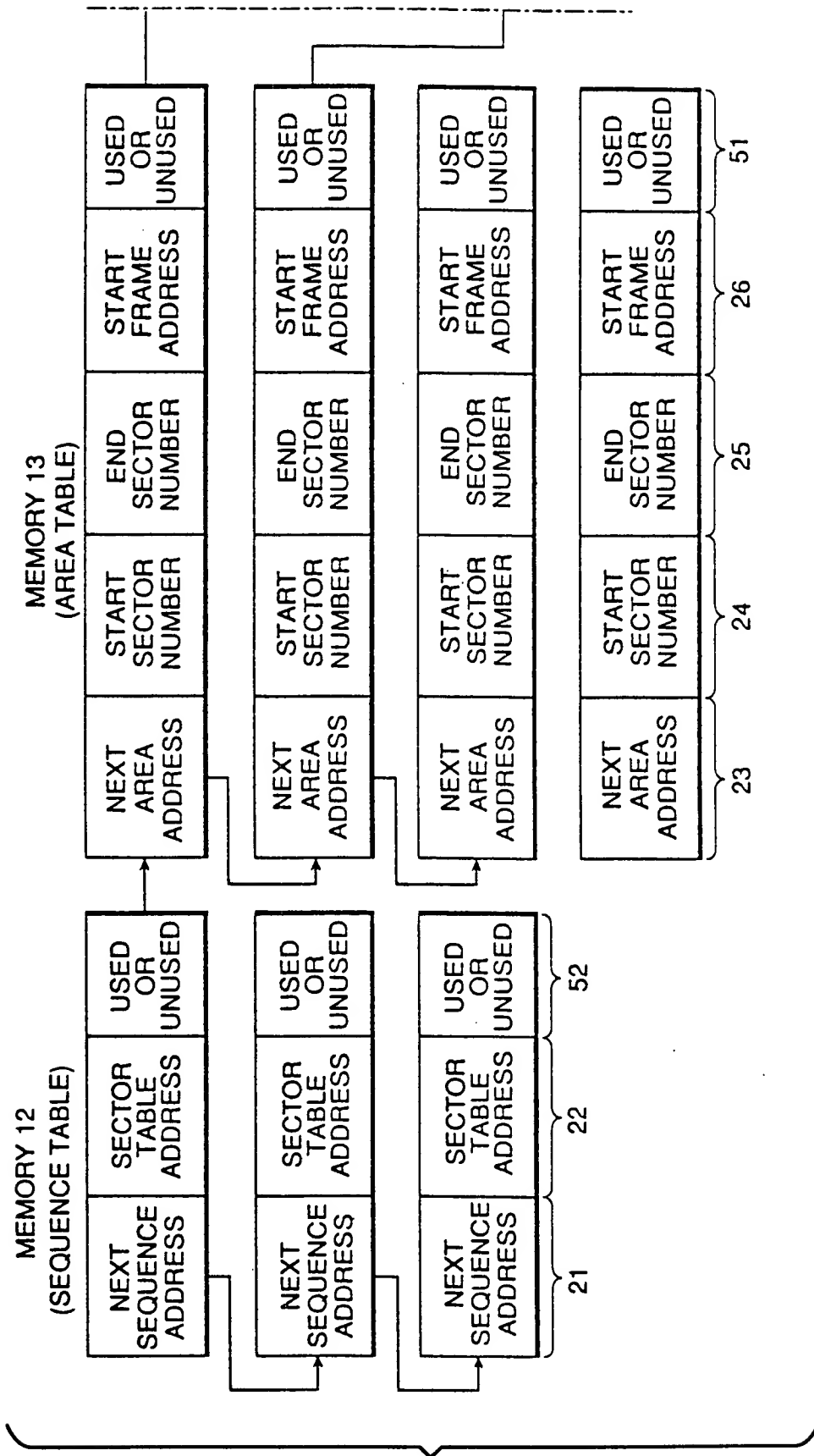


FIG.21B

MEMORY 14  
(KEY FRAME TABLE)

